ABSTRACT

A composite of an organic monomer compound and an organic or inorganic salt, wherein the organic monomer compound comprises an ion-complexing moiety, a mesogen moiety that expresses a liquid crystalline phase and a polymerizable moiety in its molecular structure, is polymerized at the polymerizable moiety of the organic monomer compound, thereby forming an anisotropic ion-conductive polymeric liquid crystalline composite as a novel material having high ion conductivity characteristic of polymeric electrolytes, anisotropy due to orientation of a liquid crystal, and self-supporting properties characteristic of polymeric compounds.